

Bridge Owners Forum – 7th Feb 2023

Bridge Guidance

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Issues

- Documents not easily accessible
 - Eg BE4 is not online
- Documents without owners
 - Eg Who owns a CIRIA document in the long-term?
- Documents out-of-date, in need of update
 - BCI guidance 2002-2007, Bridgeguard 3 cost sharing agreement
- Varying standards across the industry
 - Eg Post-tensioned bridges, NH recent, NR slightly behind, LUL old
- Too many documents that we have all forgotten about
- Smaller owners may not even be aware of recent guidance

Happening ...

- National Highways DMRB archive is freely available with older documents on request
- Network Rail documents are available to local authority email addresses, after registration with the portal
- BCI guidance, Bridgeguard cost sharing updates being discussed by UKBB
- UKRLG discussing designing a new website that would host guidance

- BOF website to host a directory of guidance documents
 - Links to where the documents can be found
 - Downloads of documents that can't be found elsewhere

BOF website proposal

Introduction

UK Bridges Board, working with Bridge Owners Forum, has collated this list of bridge guidance to assist UK bridge managers and engineers in finding, using and sharing best practice guidance. If you feel something is missing or have other [feedback](#) please contact

News

MCHW Update. The MCHW is being updated by National Highways, and is expected to be formally published during 2024. More detail on the National Highways website [here](#)

CIRIA C800 – Guidance on the Assessment of Arch Bridges was published in May 22 and is available for download from the CIRIA website. Available from: CIRIA, IHS

BS 8779:2022 Assessment, maintenance and repair of masonry highway parapets for bridges and other structures. Code of practice. Available from BSI (E), IHS

Sustainability and carbon

The Net Zero Bridges Group recommends the following as essential reading on the carbon agenda and its effect on bridge management

- [PAS 2080:2016 Carbon Management in Infrastructure](#), available for free download from BSI Group. Updated version [due in 2022](#)
- ICE Low Carbon [Routemap](#) (to check whether this is the 2013 document)
- [IstructE Design for Zero](#). Available from IHS, or purchased from IstructE
- UK Green Building Council [Net Zero Whole Life Carbon Roadmap](#)
- BD&E special issue – [The Road to Net Zero](#) (article on pages 14-17)

Document Publishers

National Highways Design Manual for Roads and Bridges, Manual of Contract Documents for Highway [Works](#), DMRB current and archive documents are available on line, older archive documents on request

Network Rail Standards. Free copies of standards are available to appropriate organisations after registering for an account. **Note this is not so easy to use, some detailed instructions would be useful eg Adding VAT number and Company Number, and waiting 7 days for approval**

CIRIA

Concrete Bridge Development Group

BSI Group – purchase British Standards, Eurocodes, National Annexes, Published Documents

ICE Virtual Library Membership required

1	Category	Title	Availability online	On IHS
2	ADEPT	ADEPT National Bridges Group Minutes	ADEPT	N
3		Canal and River Trust Guidance Note	ADEPT	N
4		Commuted sums for the relief of maintenance and reconstruction of bridges (amended)	ADEPT	N
5		Guidance document on the implementation of structural eurocodes	ADEPT	Y
6	BM Trada	WIS 4-23 Non-destructive testing of timber	TRADA	Y
7	Bridge Owners Forum	Bridge Owners Forum Minutes	BOF	N
8		Grand challenges 2020	BOF	N
	British Constructional Steelwork Association (BCSA)	BCSA Publication 61/19: Historical Structural Iron and Steel Sections	BCSA	Y
9	British Horse Society	Advice on bridges, gradients and steps in England and Wales	bhs.org.uk	N
10	British Standards Institute (BSI)	BS 8779:2022 Assessment, maintenance and repair of masonry highway parapets for bridges and other structures. Code of practice	Not available online	Y
11		BS5400 - Parts 1 to 10	Not officially online	Y
12		Eurocode 0 and NA documents: Basis of structural design	BSI	Y
13		Eurocode 1 and NA documents: Actions on structures	BSI	Y
14		Eurocode 2 and NA documents: Design of concrete structures	BSI	Y
15		Eurocode 3 and NA documents: Design of steel structures	BSI	Y
16		Eurocode 4 and NA documents: Design of composite steel and concrete structures	BSI	Y
17		Eurocode 5 and NA documents: Design of timber structures	BSI	Y
18		Eurocode 6 and NA documents: Design of masonry structures	BSI	Y
19		Eurocode 7 and NA documents: Geotechnical design	BSI	Y
20		Eurocode 8 and NA documents: Design of structures for earthquake resistance	BSI	Y
21		Eurocode 9 and NA documents: Design of aluminium structures	BSI	Y
22		Published Documents (supporting Eurocodes):	BSI	Y
23		PD 6687, 6688, 6694, 6695, 6696, 6698, 6702, 6703, 6705		..

Approx 200 documents

WordPress Plugin – Document Manager Pro

Demo 3: Grid with images/icons

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Demo 1: Table

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